

Application No. 10/626,298
Amendment dated August 23, 2005
Reply to Office Action of May 23, 2005

The following listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A process for pressure stimulating a well bore through a template comprising:

providing a template including a substantially cylindrical body having a sidewall, a proximal face and a distal face, said body enclosing a primary chamber, a tubular inlet leg engaging said proximal face and aligned with an inlet opening in said proximal face, a tubular main outlet leg engaging said distal face and aligned with a main outlet opening in said distal face, a tubular offset outlet leg engaging said distal face and aligned with an offset outlet opening in said distal face, and at least one by-pass tube enclosed by said body and extending from said proximal face to said distal face external to and in fluid isolation from said primary chamber, said inlet leg, said main outlet leg and said offset outlet leg;

positioning said by-pass tube, said inlet leg and said main outlet leg in a main well bore;

positioning said offset outlet leg in said main well bore adjacent to and in fluid communication with an offset well bore extending from said main well bore; and

pressure stimulating said offset well bore through said offset outlet leg while pressure sealing said main outlet leg.

Claim 2 (original): The process of claim 1 wherein said main outlet leg is pressure sealed to withstand a pressure of at least about 3500 psi.

Claim 3 (previously presented): The process of claim 1 wherein said inlet leg is free from intersection with said main outlet leg or said offset outlet leg within said primary chamber.

Claim 4 (original): The process of claim 1 wherein said inlet leg and said main outlet leg are coaxially aligned about a substantially vertical main axis.

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Claim 5 (original): The process of claim 1 wherein said offset outlet leg is substantially parallel to said inlet leg and said main outlet leg.

Claim 6 (previously presented): The process of claim 3 1 wherein said body is substantially cylindrical.

Claim 7 (original): The process of claim 1 wherein said main outlet leg is pressure sealed by placing a diverter in said main outlet leg to essentially prevent fluid communication between said main outlet leg and said inlet leg and between said main outlet leg and said offset outlet leg while maintaining fluid communication between said inlet leg and said offset outlet leg.

Claim 8 (original): The process of claim 1 wherein said offset well bore has been perforated when said offset well bore is pressure stimulated.

Claim 9 (currently amended): A process for pressure stimulating a well bore through a template comprising:

providing a template including a tubular inlet leg, a tubular main outlet leg and a tubular offset outlet leg;

positioning said inlet leg and said main outlet leg in a main well bore;

positioning said offset outlet leg in said main well bore adjacent to and in fluid communication with an offset well bore extending from said main well bore; and

pressure stimulating said main well bore through said main outlet leg while maintaining fluid communication between said inlet leg, said main outlet leg and said offset outlet leg.

Claim 10 is cancelled without prejudice.

Claim 11 (currently amended): The process of claim ~~10~~ 9 wherein said offset well bore is cemented and not perforated to essentially prevent fluid communication between said offset well bore and an adjacent formation.

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Claim 12 (currently amended): ~~The process of claim 9 further comprising~~ A process for pressure stimulating a well bore through a template comprising:

providing a template including a tubular inlet leg, a tubular main outlet leg and a tubular offset outlet leg;

positioning said inlet leg and said main outlet leg in a main well bore;

pressure stimulating said main well bore through said main outlet leg while maintaining fluid communication between said inlet leg, said main outlet leg and said offset outlet leg; and

extending said main well bore by means of a drill string running through said main outlet leg to create an extension of said main well bore, perforating said extension, and pressure stimulating said extension through said main outlet leg.

Claim 13 (original): The process of claim 9 wherein said main well bore has been perforated when said main well bore is pressure stimulated.

Claim 14 (previously presented): A process for serially pressure stimulating a plurality of well bores through a plurality of templates comprising:

providing a first template including a first tubular inlet leg, a first tubular main outlet leg and a first tubular offset outlet leg;

positioning said first inlet leg and said first main outlet leg in a main well bore;

positioning said first offset outlet leg in said main well bore adjacent to and in fluid communication with a first offset well bore extending from said main well bore;

providing a second template including a second tubular inlet leg, a second tubular main outlet leg and a second tubular offset outlet leg;

positioning said second inlet leg and said second main outlet leg in said main well bore;

positioning said second offset outlet leg in said main well bore adjacent to and in fluid communication with a second offset well bore extending from said main well bore; and

serially pressure stimulating said first offset well bore through said first offset outlet leg followed by said second offset well bore through said second offset outlet leg or serially

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pressure stimulating said second offset well bore through said second offset outlet leg followed by said first offset well bore through said first offset outlet leg.

Claim 15 (original): The process of claim 14 wherein said first template is positioned downhole of said second template in said main well bore.

Claim 16 (original): The process of claim 14 further comprising pressure sealing said first offset outlet leg while pressure stimulating said second offset well bore.

Claim 17 (original): The process of claim 14 further comprising pressure sealing said main outlet leg while pressure stimulating said second offset well bore.

Claim 18 (original): The process of claim 14 further comprising pressure sealing said second offset outlet leg while pressure stimulating said first offset well bore.

Claim 19 (original): The process of claim 14 further comprising pressure sealing said main outlet leg while pressure stimulating said first offset well bore.

Claim 20 (original): The process of claim 14 further comprising serially stimulating said main well bore through said main outlet leg either before or after pressure stimulating said first or second well bore.